

## FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT  
(Use several sheets if necessary)Attorney Docket No.  
16828-000810Serial No.:  
Unassigned

Applicant: Geoffrey R. Ball et al.

Filing Date:  
Herewith

Group: Unassigned

## Reference Designation

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
__ AA	5,282,858	02/01/94	Bisch et al.	623	10	06/17/91
__ AB	5,163,957	11/17/92	Sade' et al.	623	10	09/10/91
__ AG	4,840,178	06/20/89	Heide et al.	128	419 R	05/15/87
__ AD	4,756,312	07/12/88	Epley	128	420.5	10/16/86
__ AE	4,628,907	12/16/86	Epley	128	1.6	04/28/89
__ AL	3,764,748	10/09/73	Branch et al.	179	107 E	05/19/72
__ AG	5,259,033	11/02/93	Goodings et al.	381	68	07/09/92
__ AH	5,259,032	11/02/93	Perkins et al.	381	68	11/12/91
__ AG	5,257,623	11/02/93	Karasev et al.	607	27	04/28/89
__ AJ	5,085,628	02/04/92	Engebretson et al.	600	25	10/12/89
__ AK	5,015,225	05/14/91	Hough et al.	600	25	03/17/88
__ AL	5,015,224	01/14/91	Maniglia	600	25	03/17/88

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
__ AD						
__ AN						
__ AR						
__ AP						
__ AU						
__ AW						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

__ AR	J. Hough et al., "A Middle Ear Implantable Hearing Device for Controlled Amplification of Sound in the Human: A Preliminary Report," <i>Laryngoscope</i> , 97:141-51 (1987)
__ AS	N. Yanagihara et al., "Development of an Implantable Hearing Aid Using a Piezoelectric Vibrator of Bimorph Design: State of the Art," <i>Otolaryngol Head Neck Surg.</i> , 92:706 (1984)
__ AT	J. Heide et al. "Development of Semi-Implantable Hearing Device," <i>Adv. Audiol.</i> , 4:32-43 (1988)
__ AU	A.J. Maniglia et al. "Design, Development, and Analysis of a Newer Electro-Magnetic Semi-Implantable Middle Ear Hearing Device," <i>Transplants and Implants in Otology II</i> , pp. 365-69 (1992)
__ AV	E. Lenkauskas, "Otally Implantable Hearing Aid Device," <i>Transplants and Implants in Otology II</i> , pp. 371-75 (1992)
__ AW	J. Suzuki et al., "Further Clinical Experiences with Middle-Ear Implantable Hearing Aids: Indication and Sound Quality Evaluation," <i>ORL J Otorhinolaryngol Relat Spec.</i> 51:229-234 (1989)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

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<u>  AX</u>	R.L. Goode, "Current Status of Electromagnetic Implantable Hearing Aids," <i>Otolaryngologic Clinics of North America</i> , 22:201-09
<u>  AY</u>	S.C. Parisier et al. "Cochlear Implants: Indications and Technology," <i>Medical Clinics of North America</i> , 75:1267-76 (1991)
<u>  AZ</u>	R.L. Goode "Implantable Hearing Devices," <i>Medical Clinics of North America</i> 75:1261-66 (1991)
<u>  BA</u>	B.A. Weber et al., "Application of an Implantable Bone Conduction Hearing Device to Patients with Unilateral Sensorineural Hearing," <i>Laryngoscope</i> , 102:538-42 (1992)
<u>  BB</u>	E. Buchman et al., "On the Transmission of Sound Generated by an Electromagnetic Device from the Mastoid Process to the Petrou....", <i>J. Acoust Soc. Am.</i> 90:895-903 (1991)
<u>  BC</u>	B. Häkansson et al., "Percutaneous v. Transcutaneous Transducers for Hearing by Direct Bone Conduction," <i>Otolaryngol Head Ne.....</i> , 102:339 (1990)
<u>  BD</u>	T.M. McGee et al. "Electromagnetic Semi-Implantable Hearing Device: Phase I. Clinical Trials," <i>Laryngoscope</i> , 101:355 (1991)
<u>  BE</u>	J.M. Kartush et al. "Electromagnetic Semi-Implantable Hearing Device: An Update," <i>Otolaryngol Head Neck Surg</i> , 104:150 (1991)
<u>  BF</u>	A. Baumfield et al., "Performance of Assistive Listening Devices Using Insertion Gain Measures," <i>Scand Audiol.</i> 22:43-46 (1993)

EXAMINER

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__ CA	4,988,333	01/29/91	Engebretson et al.	600	25	09/09/88
__ CB	4,969,900	11/13/90	Fleischer	623	10	02/24/88
__ CC	4,936,305	06/26/90	Ashtiani et al	128	420.6	07/20/88
__ CD	4,817,607	04/04/89	Perkins et al.	128	420.6	09/11/87
__ CI	4,817,607	04/04/89	Tatge	128	419R	05/15/87
__ CF	4,800,884	01/31/89	Heide et al.	128	419R	03/07/86
__ CG	4,776,322	10/11/88	Hough et al.	128	1.6	08/18/86
__ CA	4,728,327	03/01/88	Gersdorff	623	10	01/14/87
__ CI	4,612,915	09/23/86	Hough et al.	128	10	05/23/85
__ CJ	4,611,598	09/16/86	Hortman et al	128	419R	04/22/85
__ CR	4,606,329	08/19/86	Hough	128	10	06/17/85
__ CL	4,063,049	12/13/77	Pipitone et al.	179	110A	12/29/76

## FOREIGN PATENT DOCUMENTS

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__ CD						
__ CD						
__ CO						
__ CP						
__ CO						

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__ CR	
__ CS	
__ CT	

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DR	4,063,048	12/13/77	Kissiah, Jr.	179	107R	03/16/77
DF	3,882,285	05/06/75	Nunley et al.	179	107E	10/09/73
DC	3,870,832	03/11/75	Fredrickson	179	107E	07/29/74
DF	3,594,514	07/20/71	Wingrove	179	107R	
DE	3,712,962	01/23/73	Epley	179	107R	
DF	3,752,939	08/14/73	Bartz	179	107R	
DG	4,352,960	10/05/82	Dormer et al.	179	107BC	
DH	4,357,497	11/02/82	Hochmair et al.	179	107E	
DM	4,696,287	09/29/87	Hortmann et al.	128	1R	
DL	4,800,884	01/31/89	Heide et al.	128	419R	
DR	4,832,051	05/23/89	Jarvik et al.	128	784	
DL	4,918,745	04/17/90	Hutchison	455	41	
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DM						
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__ EA	4,957,478	09/18/90	Maniglia	600	25	
__ EB	5,047,994	09/10/91	Lenhardt et al.	367	116	
__ EC	5,220,918	06/22/93	Heide et al.	128	420.6	
__ ED	5,277,694	01/11/94	Leysieffer et al.	600	25	
__ EI	5,295,193	03/15/94	Ono	381	151	
__ EI	5,338,287	09/15/90	Miller et al.	600	25	
__ EI	5,356,430	10/18/94	Nadol, Jr.	623	10	
__ EH						
__ EI						
__ EJ						
__ EB						
__ EI						

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__ EB						
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__ EB						
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__ ES	
__ ET	

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03/13/2009

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